

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	994	(frequency band) and (microphone near5 (gradient or pressure or direction\$4)) and (amplitude or gain or average)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/28 12:49
L6	924	(frequency band) and (microphone near4 (gradient or pressure or direction\$4)) and (amplitude or gain or average)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/28 12:50
L7	641	(frequency band) and (microphone near4 (gradient or pressure or direction\$4)) and (amplitude or gain or average) and (@rlad<"20030311" or @ad<"20030311")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/28 12:50
L8	300	(frequency band) and (microphone near4 (gradient or pressure or direction\$4)) and (amplitude or gain or average) and (@rlad<"20030311" or @ad<"20030311") and "381".clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/28 12:50
L9	76	(frequency band) and (microphone near4 (gradient or pressure or direction\$4)) and (amplitude or gain or average) and (@rlad<"20030311" or @ad<"20030311") and 381/92.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/28 12:50
L10	25	"6389142"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/28 14:23
L11	2	"6389142".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/28 14:23
S1	1	automatic microphone equalization. ti.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 11:13

## EAST Search History

S2	94	Niederdrank.in.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 11:14
S3	56	Niederdrank Torsten.in.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 11:34
S4	361	381/103.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 12:01
S5	261	381/103.ccls. and (@rlad<"20030311" or @ad<"20030311")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 12:02
S6	123	381/103.ccls. and (@rlad<"20030311" or @ad<"20030311") and microphone	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 12:02
S7	123	381/103.ccls. and (@rlad<"20030311" or @ad<"20030311") and microphone\$2	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 12:05
S8	216	381/98,97.ccls. and (@rlad<"20030311" or @ad<"20030311") and microphone\$2	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 12:09
S9	87	381/98,97.ccls. and (@rlad<"20030311" or @ad<"20030311") and microphone\$2 and (omni or omnidirectional\$2 or omni-direction\$3 or pressure or (omni directional))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 12:28

## EAST Search History

S10	87	381/98,97.ccls. and (@rlad<"20030311" or @ad<"20030311") and microphone\$2 and (omni or omnidirection\$3 or omni-direction\$3 or pressure or (omni direction\$3))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 12:35
S11	1	("2003/0147539").URPN.	USPAT	ADJ	ON	2007/09/12 12:28
S12	10	("4412097"   "4420655"   "4509022"   "4622440"   "4718099"   "5978490"   "6035049"   "6389142"   "6421448"   "6654468").PN. OR ("7113604"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 12:29
S13	9	("4420655"   "4509022"   "4622440"   "5978490"   "6389142").PN. OR ("6654468"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 12:31
S14	19	("4521908"   "4653102"   "4703506"   "4712244"   "4712247"   "4720712"   "4741038"   "4802227"   "5193117"   "5226087"   "5233664"   "5243660"   "5260920"   "5291556"   "5301363"   "5327143"   "5347586"   "5367506"   "5581036").PN. OR ("6535610").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 12:32
S15	35	("3784745"   "3970787"   "4219696").PN. OR ("4393270"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 12:34
S16	100	381/313.ccls. and (@rlad<"20030311" or @ad<"20030311") and microphone\$2 and (omni or omnidirection\$3 or omni-direction\$3 or pressure or (omni direction\$3))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 17:40
S17	2	("4712214").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/12 13:43
S18	2	("4712244").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/12 13:43
S19	38	("2982942"   "4466117").PN. OR ("4712244").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 13:47

## EAST Search History

S20	22	("4308425"   "4466117"   "4696043"   "4703506"   "4712244"   "4742548"   "5029215"   "5058170"   "5121426").PN. OR ("5463694").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 14:04
S21	226	381/92.ccls. and (@rlad<"20030311" or @ad<"20030311") and microphone\$2 and (omni or omnidirection\$3 or omni-direction\$3 or pressure or (omni direction\$3))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 14:08
S22	2	("2003/0142836").URPN.	USPAT	ADJ	ON	2007/09/12 15:27
S23	24	("2950357"   "3770911"   "3835263"   "3875349"   "3975599"   "3983336"   "4073366"   "4393270"   "4399327"   "4456795"   "4622440"   "4703506"   "4742548"   "5058171"   "5121426"   "5131046"   "5201066"   "5214709"   "5289544"   "5524056"   "6101258"   "6285771"   "6327370").PN. OR ("7103191").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 16:28
S24	142	381/313.ccls. and (@rlad<"20030311" or @ad<"20030311") and microphone\$2	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 17:42
S25	55	381/313.ccls. and (@rlad<"20030311" or @ad<"20030311") and microphone\$2 and (averag\$4 or mean)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 18:05
S26	345	381/92,98,97,103.ccls. and (@rlad<"20030311" or @ad<"20030311") and microphone\$2 and (averag\$4 or mean)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 18:38
S27	3	("2002/0048376").URPN.	USPAT	ADJ	ON	2007/09/12 18:28
S28	17292	(@rlad<"20030311" or @ad<"20030311") and microphone\$2 and (averag\$4 or mean) and (omni or omnidirection\$3 or omni-direction\$3 or pressure or (omni direction\$3) or gradient or direction\$6)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 18:40

## EAST Search History

S29	17013	(@rlad<"20030311" or @ad<"20030311") and microphone\$2 and (averag\$4 or mean) and (omni or omnidirection\$3 or omni-direction\$3 or pressure or (omni direction\$3) or (gradient near2 microphone)or direction\$6)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 18:42
S30	1625	S29 and "381".clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 18:40
S31	330	S29 and 381/313,98,97,103,92,356. ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 18:42
S32	17005	(@rlad<"20030311" or @ad<"20030311") and microphone\$2 and (averag\$4 or mean) and (omnidirection\$3 or omni-direction\$3 or pressure or (omni direction\$3) or (gradient near2 microphone)or direction\$6)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 19:24
S33	330	S32 and 381/313,98,97,103,92,356. ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 18:43
S34	238	S32 and 381/313,98,97,103,92,356. ccls. and three	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 19:04
S35	2054	S32 and "181"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 19:04
S36	211	S32 and "181".clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 19:04

## EAST Search History

S37	145	S32 and "181".clas. and (three or S3)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 19:04
S38	0	("2004/0240683").URPN.	USPAT	ADJ	ON	2007/09/12 19:08
S39	0	("2004/0240683").URPN.	USPAT	ADJ	ON	2007/09/12 19:08
S40	8	("4802227"   "5193117").PN. OR ("5506908").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 19:08
S41	55	("3973089"   "4122303"   "4306113"   "4461025").PN. OR ("4536887").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 19:12
S42	6	("4536887"   "4751738"   "5058171"   "5539859"   "5581620"   "5684882").PN. OR ("6522756").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 19:17
S43	28	("3458668"   "3946168"   "3975599"   "4456795").PN. OR ("4751738").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 19:19
S44	3	("2002/0048376").URPN.	USPAT	ADJ	ON	2007/09/12 19:20
S45	0	("2004/0013275").URPN.	USPAT	ADJ	ON	2007/09/12 19:21
S46	1	("2005/0276423").URPN.	USPAT	ADJ	ON	2007/09/12 19:21
S47	5	("3814856"   "4425481"   "5524056"   "6101258"   "6394947").PN. OR ("7181033").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 19:22
S48	357	(@rlad<"20030311" or @ad<"20030311") and microphone\$2 and (averag\$4 or mean) and (omnidirection\$3 or omni-direction\$3 or pressure or (omni direction\$3) or (gradient near2 microphone)or direction\$6) and (three near4 microphone\$2)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 19:25
S49	188	S48 and "381".clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 19:25
S50	181	S48 and "381".clas. not S41	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 19:26

## EAST Search History

S51	179	S48 and "381".clas. not S41 not S40	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 19:26
S52	176	S48 and "381".clas. not S41 not S40 not S47	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 19:26
S53	173	S48 and "381".clas. not S41 not S40 not S47 not S43	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 19:26
S54	172	S48 and "381".clas. not S41 not S40 not S47 not S43 not S27	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 19:27
S55	172	S48 and "381".clas. not S41 not S40 not S47 not S43 not S27	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/12 19:33
S56	4	("3860928").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/12 19:33
S57	2	("6009396").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 10:57
S58	2	("6469732").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 09:22

## EAST Search History

S59	4	("3860928").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 10:00
S60	28	("3286224"   "3329954"   "3369235"   "3371347"   "3453627"   "3579181"   "3725929").PN. OR ("3860928").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/14 10:00
S61	4	("3860928"   "5463694"   "6385323"   "6741713").PN. OR ("7065220").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/14 10:04
S62	40	("3665121"   "3836732"   "3876843"   "3909556"   "3946168"   "3975599"   "3983336"   "3985977"   "4041251"   "4070553"   "4142072"   "4536887"   "4741038"   "4751738"   "5289544"   "5425104"   "5463694"   "5511128"   "Re27487").PN. OR ("5793875").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/14 10:07
S63	2	"4536887".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/14 10:17
S64	55	("3973089"   "4122303"   "4306113"   "4461025").PN. OR ("4536887").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/14 10:17
S65	2	("5506908").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 10:57
S66	8	("4802227"   "5193117").PN. OR ("5506908").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/14 10:57
S67	17	("3015949"   "3104543"   "3440350"   "3698241").PN. OR ("3827288").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/14 11:13
S68	45	("3440350"   "3662108"   "4063031"   "4485484"   "4536887"   "4559642"   "4589137").PN. OR ("4653102").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/14 11:54



## EAST Search History

S69	2	("4066842").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 11:54
S70	20	("3440350"   "3644674"   "3662108"   "3794766").PN. OR ("4066842").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/14 11:55
S71	2	Pendelton Brian.xa.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/14 12:57
S72	288	367/124.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/14 12:58
S73	80	367/124.ccls. and microphone	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 15:35
S74	1457	microphone\$2 and averag\$4 and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient) near4 microphone\$2)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/18 08:32
S75	1063	microphone\$2 and averag\$4 and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient) near4 microphone\$2) and (@rlad<"20030311" or @ad<"20030311")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 15:38
S76	1069	microphone\$2 and averag\$4 and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient or omni direction\$3) near4 microphone\$2) and (@rlad<"20030311" or @ad<"20030311")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 15:38

## EAST Search History

S77	1011	microphone\$2 and averag\$4 and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient or omni direction\$3) near4 microphone\$2) and (@rlad<"20030311" or @ad<"20030311") and (sound or music or acoustic or audio)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 15:39
S78	1011	microphone\$2 and averag\$4 and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient or omni direction\$3) near4 microphone\$2) and (@rlad<"20030311" or @ad<"20030311") and (sound or music or acoustic or audio)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 15:55
S79	337	microphone\$2 and averag\$4 and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient or omni direction\$3) near4 microphone\$2) and (@rlad<"20030311" or @ad<"20030311") and (sound or music or acoustic or audio) and "381".clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 16:14
S80	327	microphone\$2 and averag\$4 and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient or omni direction\$3) near4 microphone\$2) and (@rlad<"20030311" or @ad<"20030311") and (sound or music or acoustic or audio) and "381".clas. not stethoscope	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 16:46
S81	1	("2004/0057593").URPN.	USPAT	ADJ	ON	2007/09/17 16:17
S82	32	("3500000"   "4544926"   "4750147"   "4751738"   "5208786"   "5315532"   "5371789"   "5383164"   "5465302").PN. OR ("6002776").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/17 16:37
S83	22	("4308425"   "4466117"   "4696043"   "4703506"   "4712244"   "4742548"   "5029215"   "5058170"   "5121426").PN. OR ("5463694").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/17 16:41

## EAST Search History

S84	602	microphone\$2 and averag\$4 and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient or omni direction\$3) near4 microphone\$2) and (@rlad<"20030311" or @ad<"20030311") and (sound or music or acoustic or audio) not "381".clas. not stethoscope	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 16:50
S85	495	microphone\$2 and averag\$4 and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient or omni direction\$3) near4 microphone\$2) and (@rlad<"20030311" or @ad<"20030311") and (sound or music or acoustic or audio) not "381".clas. not stethoscope not tv not television	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 16:51
S86	380	microphone\$2 and averag\$4 and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient or omni direction\$3) near4 microphone\$2) and (@rlad<"20030311" or @ad<"20030311") and (sound or music or acoustic or audio) not "381".clas. not stethoscope not tv not television not chemical	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 17:05
S87	576	381/92.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 17:05
S88	406	381/92.ccls. and (@rlad<"20030311" or @ad<"20030311")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 17:06
S89	189	381/92.ccls. and (@rlad<"20030311" or @ad<"20030311") and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient or omni direction\$3) near4 microphone\$2)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 17:21

## EAST Search History

S90	42	("3571514"   "3770911"   "3798390"   "3836732"   "3875349"   "3946168"   "3975599"   "4051330"   "4142072"   "4449018"   "4456795"   "4622440"   "4712244"   "4723293"   "4751738"   "5029215"   "5214709"   "5226087"   "5289544"   "5483599"   "5524056").PN. OR ("6389142").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/17 17:12
S91	14	("4773095"   "5058170"   "5243660").PN. OR ("5483599").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/17 17:15
S92	11	("3800082"   "3993407"   "4037328"   "4113984"   "4188504"   "4322744"   "4338489").PN. OR ("4449018").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/17 17:20
S93	11	381/103.ccls. and (@rlad<"20030311" or @ad<"20030311") and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient or omni direction\$3) near4 microphone\$2)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 18:06
S94	17	381/103.ccls. and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient or omni direction\$3) near4 microphone\$2)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 18:06
S95	6	381/103.ccls. and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient or omni direction\$3) near4 microphone\$2) not S93	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 18:06
S96	2	"5515445".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 18:27
S97	2	("6389142").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/17 19:01

## EAST Search History

S98	42	("3571514"   "3770911"   "3798390"   "3836732"   "3875349"   "3946168"   "3975599"   "4051330"   "4142072"   "4449018"   "4456795"   "4622440"   "4712244"   "4723293"   "4751738"   "5029215"   "5214709"   "5226087"   "5289544"   "5483599"   "5524056").PN. OR ("6389142").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/17 19:26
S99	134	381/313.ccls. and microphone\$2 and (omni-direction\$3 or omnidirection\$3 or gradient or pressure or (omni direction\$3))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/17 19:27
S10 0	134	381/313.ccls. and microphone\$2 and (omni-direction\$3 or omnidirection\$3 or gradient or pressure or (omni direction\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/17 19:27
S10 1	0	("2005/0041824").URPN.	USPAT	ADJ	ON	2007/09/17 19:29
S10 2	0	("2005/0041824").URPN.	USPAT	ADJ	ON	2007/09/17 19:29
S10 3	0	("2005/0041824").URPN.	USPAT	ADJ	ON	2007/09/17 19:29
S10 4	4	("5524056"   "6327370"   "6424721"   "7027607").PN. OR ("7209568").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/17 19:31
S10 5	2	"7027607".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/18 08:32
S10 6	1867	microphone\$2 and (averag\$4 or mean) and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient) near4 microphone\$2)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/18 08:33
S10 7	16	microphone\$2 and (averag\$4 or mean) and ((omnidirection\$3 or omni-direction\$3 or pressure or gradient) near4 microphone\$2)	EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/18 08:33

## EAST Search History

S10 8	92	Ribic.in.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/18 12:20
S10 9	32	Ribic.in. and (hearing aid)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/18 12:20
S11 0	5	("4399327"   "6041127"   "6449368"   "6618485").PN. OR ("7020290").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/18 12:23
S11 1	21	("3403223"   "3483324"   "3793489"   "4308425"   "4334740").PN. OR ("4399327"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/18 12:26
S11 2	28	Stirnemann.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/18 12:26
S11 3	14	Stirnemann.in. and acoustic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/18 12:27
S11 4	6	("1705950").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/18 12:28
S11 5	2	("20050041824").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/18 12:32
S11 6	2	("5608803").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/18 12:32

## EAST Search History

S11 7	2	("5687241").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/18 12:32
S11 8	35	("4204260"   "4718099"   "4790019"   "4852175"   "4868880"   "4887299"   "4947432"   "4996712"   "5077800"   "5144675"   "5165017"   "5210803"   "5278912").PN. OR ("5687241"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/18 12:34
S11 9	8	"6205225"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/18 12:35
S12 0	16	"5463694"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/18 12:38
S12 1	9	"6385323"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/18 12:39
S12 2	4	"6711271"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/18 12:40
S12 3	6	"5901230"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/18 12:40
S12 4	8	("4039753"   "4891837"   "5359653").PN. OR ("5901230"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/18 12:42
S12 5	2	"20020034310"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/18 12:42
S12 6	22	("3836732"   "3975599"   "4131760"   "4245313"   "4701953"   "4712244"   "4751738"   "4956867"   "5214709"   "5325436"   "5390254"   "5434924"   "5471538"   "5479522"   "5524056"   "5625684"   "5737430"   "5740256"   "5757933"   "6268725"   "6285768"   "6654468").PN. OR ("7155019").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/18 12:44
S12 7	630	Chin Vivian.xp.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/18 12:45

## EAST Search History

S12 8	549	381/92.ccls. and microphone\$2	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/19 07:36
S12 9	1	("2005/0276423").URPN.	USPAT	ADJ	ON	2007/09/19 08:12
S13 0	0	("2005/0244018").URPN.	USPAT	ADJ	ON	2007/09/19 08:23
S13 1	0	("2005/0111674").URPN.	USPAT	ADJ	ON	2007/09/19 08:56
S13 2	659	(microphone\$2 near4 three) and phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/19 08:57
S13 3	622	(microphone\$2 near4 three) and phase and (order or direction\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/19 08:57
S13 4	556	(microphone\$2 near4 three) and phase and ((first order) or direction\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/19 12:05
S13 5	92	(microphone\$2 near4 three) and phase and (first order)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/19 08:58
S13 6	0	("2007/0183610").URPN.	USPAT	ADJ	ON	2007/09/19 08:58
S13 7	10	("4198705"   "4305141"   "4639733"   "5214709"   "5248985"   "5289544"   "5729507"   "6072418"   "6687187"   "6930957").PN. OR ("7266043"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/19 12:01



## EAST Search History

S13 8	551	(microphone\$2 near4 three) and phase and direction\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/19 12:06
S13 9	479	(microphone\$2 near3 three) and phase and direction\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/19 12:06
S14 0	5	("3995223"   "4811308").PN. OR ("5161127").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/19 14:56
S14 1	31	("3632886"   "3746792"   "3772479"   "3934086"   "3944735"   "3959590"   "4027101"   "4236039").PN. OR ("4704728"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/19 15:00
S14 2	6	("3813494"   "3856992").PN. OR ("4251685").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/19 15:02
S14 3	176790	phase shift\$4	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 10:59
S14 4	5985	phase shift\$4 and microphone	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 10:59
S14 5	16919	(phase shift\$4) and (microphone or transducer) and (order or gradient or pressure)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 11:09
S14 6	12472	(phase shift\$4) and (microphone or transducer) and (order or gradient or pressure) and (@rlad<"20030311" or @ad<"20030311")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 11:10

## EAST Search History

S14 7	3443	(phase shift\$4) and (microphone) and (order or gradient or pressure) and (@rlad<"20030311" or @ad<"20030311")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 11:10
S14 8	1803	(phase shift\$4) and (microphone) and (((first or second or zero or third) near3 order) or gradient or pressure) and (@rlad<"20030311" or @ad<"20030311")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 11:34
S14 9	6110	((phase shift\$4) or delay) and (microphone) and (((first or second or zero or third) near3 order) or gradient or pressure) and (@rlad<"20030311" or @ad<"20030311") not tissue not vehicle	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 11:36
S15 0	5175	((phase shift\$4) or delay) and (microphone) and (((first or second or zero or third) near3 order) or gradient or pressure) and (@rlad<"20030311" or @ad<"20030311") not tissue not vehicle not car not automobile not tire	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 11:36
S15 1	4764	((phase shift\$4) or delay) and (microphone) and (((first or second or zero or third) near3 order) or gradient or pressure) and (@rlad<"20030311" or @ad<"20030311") not tissue not vehicle not car not automobile not tire not blood	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 11:36
S15 2	410	(phase shift\$4) and (microphone) and (((first or second or zero or third) near3 order) or gradient or pressure) and (@rlad<"20030311" or @ad<"20030311") not tissue not vehicle not information	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 11:37
S15 3	368	(phase shift\$4) and (microphone) and (((first or second or zero or third) near3 order) or gradient or pressure) and (@rlad<"20030311" or @ad<"20030311") and (sound or audio or music or acoustic) not tissue not vehicle not information	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 12:42

## EAST Search History

S15 4	101	maisano.in.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 12:42
S15 5	9	maisano.in. and (microphone or transducer)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 13:08
S15 6	581	381/92.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 14:03
S15 7	468	381/92.ccls. and (@rlad<"20040311" or @ad<"20040311")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 14:03
S15 8	456	381/92.ccls. and (@rlad<"20040311" or @ad<"20040311") and (microphone or transducer)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 14:04
S15 9	362	381/92.ccls. and (@rlad<"20040311" or @ad<"20040311") and (microphone or transducer) and (phase or delay)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 14:04
S16 0	313	381/92.ccls. and (@rlad<"20030311" or @ad<"20030311") and (microphone or transducer) and (phase or delay)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 15:28
S16 1	273	381/313,103,97.ccls. and (@rlad<"20030311" or @ad<"20030311") and (microphone or transducer) and (phase or delay or equalizer)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:28

## EAST Search History

S16 2	27411	(@rlad<"20030311" or @ad<"20030311") and (microphone or transducer) and ((phase or delay or equalizer) same (amplitude or magnitude))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:29
S16 3	1791	(@rlad<"20030311" or @ad<"20030311") and (microphone or transducer) and ((phase or delay or equalizer) same (amplitude or magnitude)) and "381".clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:30
S16 4	1522	(@rlad<"20030311" or @ad<"20030311") and (microphone) and ((phase or delay or equalizer) same (amplitude or magnitude)) and "381".clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:30
S16 5	129	(@rlad<"20030311" or @ad<"20030311") and (microphone) and ((phase or delay or equalizer) same (amplitude or magnitude)) and 381/92.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:31
S16 6	929	(@rlad<"20030311" or @ad<"20030311") and (microphone) and ((phase or delay or equalizer) same (amplitude or magnitude)) and "381".clas. and adapt\$4	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:31
S16 7	109	(@rlad<"20030311" or @ad<"20030311") and (microphone) and ((phase or delay or equalizer) same (amplitude or magnitude)) and 381/92,313,97.ccls. and adapt\$4	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:44
S16 8	107	(@rlad<"20030311" or @ad<"20030311") and (microphone) and ((phase or delay) same (amplitude or magnitude)) and 381/92,313,97.ccls. and adapt\$4	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:45
S16 9	43	(@rlad<"20030311" or @ad<"20030311") and (microphone) and ((phase or delay) same (amplitude or magnitude)) and 381/92,313,97.ccls. and (adapt\$4 near5 filter)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:45

## EAST Search History

S17 0	355	(@rlad<"20030311" or @ad<"20030311") and (microphone) and ((phase or delay) same (amplitude or magnitude)) and "381".clas. and (adapt\$4 near5 filter)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:47
S17 1	23	(@rlad<"20030311" or @ad<"20030311") and (microphone) and ((phase or delay) same (amplitude or magnitude)) and "381".clas. and (adapt\$4 near5 filter) not noise	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:51
S17 2	2026	(@rlad<"20030311" or @ad<"20030311") and (microphone) and ((phase or delay) same (amplitude or magnitude)) not noise	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:52
S17 3	362	(@rlad<"20030311" or @ad<"20030311") and (microphone) and ((phase or delay) same (amplitude or magnitude)) not noise and "381".clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:53
S17 4	18	(@rlad<"20030311" or @ad<"20030311") and (microphone) and ((phase or delay) same (amplitude or magnitude)) not noise and 381/92.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 16:54
S17 5	23	("5483599"   "5515445"   "5524056"   "5627799"   "5757933"   "5917921"   "5978490"   "6002776"   "6101258").PN. OR ("6272229").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/27 16:56